



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/726,372	12/03/2003	Fatih Ozluturk	I-2-0566.1US	7154
24374 7590 04/20/2007 VOLPE AND KOENIG, P.C. DEPT. ICC UNITED PLAZA, SUITE 1600 30 SOUTH 17TH STREET PHILADELPHIA, PA 19103			EXAMINER ADDY, ANTHONY S	
			ART UNIT	PAPER NUMBER
			2617	
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		04/20/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

Office Action Summary

Application No.

10/726,372

Applicant(s)

OZLUTURK ET AL.

Examiner

Anthony S. Addy

Art Unit

2617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 January 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-10 and 12-18 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-10 and 12-18 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. This action is in response to applicant's amendment filed on January 16, 2007.

Claims 1-10 and 12-18 are pending in the present application.

Claim Rejections - 35 USC § 102

2. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
3. Claims **1-6, 8-10 and 12-18** are rejected under 35 U.S.C. 102(e) as being anticipated by **Keskar et al., U.S. Publication Number 2004/0259536 A1 (hereinafter Keskar)**.

Regarding claims 1, 6, 12, 13 and 18, Keskar teaches a method of optimizing user inputs (see Fig. 2) and an electronic user cognitive device (see abstract, p. 1 [0011] and Fig. 1; shows a mobile device 155) comprising: a user input device for receiving input from a user (see p. 1 [0012] and p. 3 [0022]); a user device processing unit for performing functions of the electronic device (see p. 3 [0021-0022]); a user interaction pattern monitoring device for monitoring user interaction patterns of the user, monitoring device parameter settings, and correlating user interaction patterns with device parameter settings (see p. 1 [0012], p. 2 [0018], p. 3 [0021] and Fig. 1; shows a preprocessing module 150 [i.e. reads on a user interaction pattern monitoring device]); an associated memory for storing user interaction patterns, device state, and correlation information (see p. 2 [0014] and p. 3 [0021-0022]); a cognitive logic device for analyzing the user interaction patterns, parameter state, and correlation information and for

Art Unit: 2617

determining adjustments to the user device processing unit corresponding to particular user input, wherein the adjustments are based on increasing the ease using a wireless device (see p. 2 [0014-0016, 0018 & 0020], p. 3 [0021] and Fig. 1; shows a context processing module 100 [i.e. reads on a cognitive logic device for analyzing the user interaction patterns]); and a user device processing unit controller for adjusting the user device processing unit in response to receipt of the particular user input in accordance with the determined adjustments (see p. 2 [0014-0016, 0018 & 0020] and p. 3 [0021-0022]).

Regarding claims 2, 8 and 14, Keskar teaches all the limitations of claims 1, 6 and 13. In addition, Keskar teaches a method and an electronic device, wherein the determined adjustments include changes to parameters, configurations and states of the user device processing unit (see p. 2 [0015-0019]).

Regarding claims 3, 9 and 15, Keskar teaches all the limitations of claims 1, 6 and 13. In addition, Keskar teaches a method and an electronic device, wherein the cognitive logic device uses a cognitive model that creates rules based on an observed interactions of the user (see p. 2 [0014-0020]).

Regarding claims 4, 10 and 16, Keskar teaches all the limitations of claims 3, 6 and 15. In addition, Keskar teaches a method and an electronic device, wherein the user device unit controller selectively turns off rules in response to user interaction through the user input device (see p. 2 [0017]).

Regarding claims 5 and 17, Keskar teaches all the limitations of claims 1 and 13. In addition, Keskar teaches a method and an electronic device, wherein the cognitive

Art Unit: 2617

logic device categorizes the use pattern information into either common interaction patterns or style interaction patterns and adjusting the electronic device based on the common interaction patterns and selectively adjusting the electronic device based on the style interaction patterns in response to a current user interaction style (see p. 2 [0014-0020]).

Claim Rejections - 35 USC § 103

4. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
5. Claim 7 is rejected under 35 U.S.C. 103(a) as being unpatentable over **Keskar et al., U.S. Publication Number 2004/0259536 A1 (hereinafter Keskar)** as applied to claim 1 above, and further in view of **Well Known Prior Art – Official Notice**.

Regarding claim 7, Keskar teaches all the limitations of claims 6. Keskar fails to explicitly teach the processing unit comprises a digital signal processor (DSP) and a reduced instruction set (RISC) processor.

However, the examiner takes Official Notice that the use of a digital signal processor (DSP) and a reduced instruction set (RISC) processor is very well known in the art and therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention to implement a digital signal processor (DSP) and a reduced instruction set (RISC) processor in the mobile device of Keskar, in order to provide a sufficient advantage and acceptable response time to the user interface of the mobile device when user pattern recognition functions are applied to complex data sets.

Response to Arguments

6. Applicant's arguments with respect to **claims 1-10 and 12-18** have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Slemmer et al., U.S. Patent Number 7,016,888 discloses learning device interaction rules.

Hoffberg et al., U.S. Patent Number 6,418,424 discloses ergonomic man-machine interface incorporating adaptive pattern recognition based control system.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony S. Addy whose telephone number is 571-272-7795. The examiner can normally be reached on Mon-Thur 8:00am-6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Duc M. Nguyen can be reached on 571-272-7503. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only.

Art Unit: 2617

For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A.S.A



**DUC M. NGUYEN
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600**